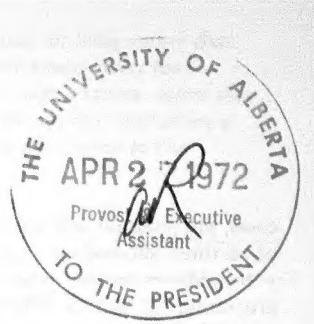


# FOLIO

THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON, ALBERTA T6G 2E1

APRIL 27, 1972



## TWO PHYSICISTS ELECTED TO ROYAL SOCIETY OF CANADA

D. IAN GOUGH and WERNER ISRAEL, both Professors of Physics at the University, have been elected Fellows of the Royal Society of Canada.

Professor Gough is in the Department of Physics. His election was to the Earth Sciences section, to which only three people in all of Canada are elected each year.

Considered by his colleagues to be a superb instrumentalist, his inventions in this field have had a wide application from local problems in civil engineering to continent-wide studies in geodesy. His magnetometer array studies have done much to elucidate difficult problems of tectonic processes under continents. The Gough studies of loading and earthquakes related to the building of the Kariba Dam led to reservoir controls that averted major damage to the structure. A parallel study on the Bennett Dam indicates the area is tectonically as well as politically stable.

Professor Gough also serves as Associate Director of the Institute of Earth and Planetary Physics at the University.

Dr. Israel, formerly of the Department of



*Werner Israel  
D. Ian Gough*

Mathematics at the University, is one of three persons from all of Canada elected to the Physics section of the Royal Society of Canada this year.

He has made several contributions to general relativity theory and relativistic astrophysics, and his research has won him international acclaim. In 1968, Dr. Israel proved a theorem,

the event horizon theorem, on the nature of spacetime singularities, which has given an entirely new perspective to the problem of gravitational collapse and has sparked much new research in Canada and abroad.

This year he is Chairman of the Theoretical Physics division of the Canadian Association of Physicists.

"To evaluate a child's difficulties, we begin with a half-day preliminary screening session," says Mrs. Silvius. "After the clinic psychologist, students involved in the assessment, and I have reviewed the child's medical and developmental history and information derived from the initial screening, a case conference is called."

"At this conference, a decision is made as to whether to refer the child to one of the many consultants who are making their special services available to the clinic for further diagnosis and specific remedial treatment, or to begin a program of psycho-educational remediation immediately."

When a child is referred to a resource specialist, treatment procedures are carried out under his supervision. If remediation is to begin immediately, says Mrs. Silvius, it can be handled in a number of ways. The child may come to the clinic for two hours each week for individual sessions with a clinician; a program may be implemented in the home, with the help of the parents; or a remedial program may be initiated in the school, in collaboration with the child's teacher. In some

## CLINIC OPENS DOORS TO LEARNING-DISABLED CHILD

There was a time when children with learning problems were placed in one of two distinct categories. They were considered either to be mentally defective, or to have suffered some sort of experiential deprivation. Any children who didn't fit neatly into one of these two categories were written off as simply lacking the necessary motivation to learn.

It has only been within the last few years that a third type of problem—the learning disability—has been recognized. Services for children with this type of disability are now being provided through the Learning and Development Clinic at The University of Alberta.

The clinic, located on the seventh floor of the Education Centre, began operations in January of this year. According to Mrs. JANE SILVIUS, Co-ordinator of the clinic, it is interdisciplinary in nature and provides services for children with a variety of learning difficulties, including specific learning disabilities, emotional disturbance, mental retardation, and various behavior problems.

Some time ago, the staff of the University's Centre for the Study of Mental Retardation began to explore the possibility of creating a clinic of this kind. E. E. MC COY, Chairman of the Department of Paediatrics; J. P. DAS, Director of the Centre; and G. M. KYSELA, Professor of Educational Psychology, met with representatives of various city agencies and established the need for such a facility.

The new clinic is a direct outcome of those discussions. Its interdisciplinary emphasis makes expertise in many fields available to children brought in for evaluation and remediation. In addition to this service to the children of Edmonton and surrounding areas, the clinic functions as a training facility for student interns from education, paediatrics, rehabilitation medicine, counselling, and many other departments within the University. When their professional training is completed, these students will work with handicapped children.

At present, the clinic staff is seeing approximately 10 children per month. These are referred through the public and separate school boards, the Department of Public Health, and several other agencies within the city.

cases, the program will involve a combination of all three alternatives.

In addition to this type of remedial programming, genetic counselling also is available in cases where it is deemed desirable.

Although the services provided by the clinic are presently limited to approximately 10 children per month, plans for expansion are being worked out.

"When we become adequately endowed financially we plan to make our resources available to many more children. Attention is presently focused on children of pre-school and early elementary years, in order to prevent the development of greater difficulties. This is possible in many cases if treatment of learning deficits is begun early. We are very much interested in working with older children as well, however, and we do plan to include them in our diagnostic and remedial programs in the future," says Mrs. Silvius.

This clinic was started at the University to express concern for the welfare and needs of the larger community, including Edmonton and the surrounding areas. Its objective is to establish a model service program of high quality which will eventually be available to a broader geographical area. With this goal in view, the projected Outreach Programs of the clinic are as follows:

1. To provide group counselling to parents of children with learning and developmental problems.
2. To organize and instruct volunteer aide groups for facilitation of remedial programs within the community.
3. To conduct teacher workshops and in-service training sessions.
4. To train para-professional personnel who will conduct initial preventive screening

programs within the community, in order to identify children with potentially debilitating learning and developmental deficits which may be ameliorated by early intervention.

5. To conduct epidemiological studies to discover the incidence of learning and developmental problems in the general population.
6. To set up mobile diagnostic teams which will go to remote areas with representative clinic services offered to children who are unable to come to the clinic.

"The proposal for the above services will develop over a period of three years. It will require some financial commitment by the government," says Mrs. Silvius, "but we believe that the amount required for diagnosis, remediation, and prevention of developmental defects appears to be quite small in comparison with the benefits that would accrue through these programs."

## HENRY MARSHALL TORY LECTURE TO BE HELD THIS SPRING

For the first time since its inception in 1956, the Henry Marshall Tory Lecture will be held in the spring of the year. Sponsored by the Friends of the University, it is scheduled for Wednesday, May 3 at 8 p.m. in the Students' Union Building Theatre.

This year's lecturer will be ZELMAN COWEN, Q.C., Vice-Chancellor of the University of Queensland in Australia since 1970. His topic will be "The conscience stirs: the aborigine in Australian society."

Dr. Cowen was educated at Scotch College, Melbourne, and the University of Melbourne, where he received a Bachelor of Arts and Master of Laws degree. He obtained his Master of Arts and Doctor of Comparative Law degrees at Oxford University, as well as an Honorary Doctor of Laws degree from the University of Hong Kong. He was elected a Rhodes Scholar for Victoria in 1940.

In 1941 Dr. Cowen entered the Royal Australian Naval Volunteer Reserve, retiring as a Lieutenant in 1945. He was named Vinerian Scholar at Oxford in 1947 and was a Fellow of Oriel College at Oxford from 1947 to 1950. He was Professor of Public Law and Dean of the Faculty of Law at the University of Melbourne from 1951 to 1966, and Vice-Chancellor and Professor at the University of New England from 1967 to 1970. He also has been guest lecturer and visiting professor at a number of universities in the United States and Australia.

Dr. Cowen has been a member of the Academy of Social Sciences in Australia since 1952. He was elected a Fellow of the Royal Society of Arts in 1971.

## NOTICES

### AASUA MEETING

The Academic Staff Association will be holding its annual general meeting on Tuesday, May 2, at 8 p.m. in Room PC 126 of the Physics Building.

### LIBRARY TO HOLD SPECIAL SEMINAR

The University Library is presenting a special seminar on the services of ERIC (Educational Resources Information Centre) and SPIN (Searchable Physics Information Notices). It will be held in the Penthouse of Cameron Library on May 4, between 1:30 and 4:30 p.m. All interested faculty and students are invited to attend.

### VISITOR FOR NUCLEAR RESEARCH CENTRE

CHARLES PERDRISAT of the College of William and Mary will be visiting the Nuclear Research Centre from May 1 to 5 inclusive. During this week Dr. Perdrisat will be giving three talks on: (a) some nuclear structure problems one could solve with intermediate energy projectiles; and (b) quasi-elastic reactions at intermediate energies.

He will also be available throughout the week for consultation and discussions.

### COMPUTING SERVICES—NON-CREDIT COURSES

Computing Services is still accepting registrations for the non-credit courses in the computing field which it is offering to staff and students of the University during the Spring Session.

The courses, with a note of time and place, were described in the April 20 issue of FOLIO. For further information, telephone the Computing Services general office, 432-3975, or the Information Co-ordinator, F. CRUDEN, 432-3975.

Registration should be through the general office. A fee of \$5 must accompany each registration.

### ADULT FITNESS EDUCATION PROGRAM

An intensive and scientific fitness program of theory and exercise for men and women will be offered by the Faculty of Physical Education in co-operation with the Department of Extension starting May 1. Eight sections are planned, each of which offers a concentrated two-week course of ten daily sessions excepting Saturdays and Sundays. Four of the sections will be held between 2 and 4 p.m., and the other four between 7 and 9 p.m.

The course is designed for the average adult who is interested not only in taking part in supervised physical exercise, but also in understanding the requirements of his or her own well-being.

The fee for each section is \$45 per person or \$75 per husband and wife. Each section has a maximum enrolment of 15 students.

# FOLIO

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William Samis, *Editor*

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# EARL FAHNER DAY



Although the exercises will not be strenuous, a physical examination by a doctor will be required before entering this program. For further information, call the Department of Extension at 439-2021, extension 55.

## THIS WEEK AND NEXT

*Listings must reach the Editor by 9 a.m. the Friday prior to publication. Written notification is preferred. Compiled by NORMA GUTTERIDGE, 432-4991.*

### 28 APRIL, FRIDAY

#### Track Club

6:30 p.m. And every Monday, Wednesday and Friday. Men and women are invited to come along to the track on these evenings for regular participation in Track and Field for the pure enjoyment of the sport. The club is open to all adult athletes, high school students, and joggers.

#### Faculty Club

*Downstairs.* TGIF—"Turner's Turn." Skid Row Stroganoff, Park Avenue Dessert Table. \$2.75 per person.

*Upstairs.* Gourmet Special. Crab Quiche, Creme Olivette, Korean Bean Sprout Salad, Poulet Sauté Aux Whiskey Flambé, Frozen

Strawberry Mousse with Raspberry Purée. \$13 for two. Also regular dinner menu. Dinner 6 to 10 p.m.

**MEETA Television Series—'The Toy That Grew Up'**  
8 p.m. "To be continued next week: Pearl White and the serials." The story of movie serials unfolds with films starring Pearl White: *The Floating Coffin*, Episode 9 from *The Perils of Pauline* (1914) and *The Hooded Helper*, Chapter 7 from *The Iron Claw* (1916). Channel 11.

#### Alberta Contemporary Dancers

8:30 p.m. And 29 April at 2:30 and 8:30 p.m. and 30 April at 2:30 and 8:30 p.m. Nine original dances will be presented at the Edmonton Art Gallery as part of its Third Anniversary Celebration. Admission \$2.50, students and art gallery members \$1.50. Tickets from Mike's Ticket Office, Edmonton Exhibition Association, Room 312 Corbett Hall, or all Woodward's Stores.

### 29 APRIL, SATURDAY

#### Faculty Club

*Downstairs.* Casual dining in the Saskatchewan Room. Barbecued steaks. \$4 per person.

*Upstairs.* Gourmet Special. Crab Quiche, Creme Olivette, Korean Bean Sprout Salad, Poulet Sauté Aux Whiskey Flambé, Frozen Strawberry Mousse with Raspberry Purée. \$13 for two. Also regular dinner menu. Dinner 6 to 10 p.m. Dancing from 9 p.m. until midnight.

Hockey players skated on icing rather than ice Saturday at a retirement party for equipment manager EARL FAHNER. After the huge cake was served up, Earl was given a walnut plaque citing his service to the University.

### 3 MAY, WEDNESDAY

#### Henry Marshall Tory Lecture

8 p.m. "The conscience stirs: the aborigine in Australian society" by ZELMAN COWAN, Vice-Chancellor, University of Queensland. Sponsored by the Friends of the University. SUB Theatre. The general public is invited to attend. Admission free.

### 5 MAY, FRIDAY

#### Faculty Club

*Downstairs.* TGIF—"Cinco de Mayo." Tacos, Fried Beans. \$2.50 per person.

*Upstairs.* Gourmet Special. Strawberry Soup, Sautéed Flounder with Shrimp, Pork with Prune Stuffing, Ice Cream Crêpes. \$12.50 for two. Also regular dinner menu. Dinner 6 to 10 p.m.

#### MEETA Television Series—'The Toy That Grew Up'

8 p.m. *The Covered Wagon.* The screen's first "outdoor epic," filmed on location in the Utah desert. Features Lois Wilson, Alan Hale, Ethel Wales, and Ernest Torrance. (1923.) Channel 11.

### 6 MAY, SATURDAY

#### Faculty Club

*Downstairs.* Casual dining in the Saskatchewan Room. Turf and Surf. \$4 per person.

*Upstairs.* Gourmet Special. Strawberry Soup, Sautéed Flounder with Shrimp, Pork with Prune Stuffing, Ice Cream Crêpes. \$12.50 for two. Also regular dinner menu. Dinner 6 to 10 p.m. Dancing 9 p.m. until midnight.

### 7 MAY, SUNDAY

#### Our Heritage Festival

2:30 p.m. Sponsored by the Edmonton Folk Arts Council. Jubilee Auditorium. Tickets from Mike's Ticket Office, 429-0848 or 424-8911.

### 10 MAY, WEDNESDAY

#### Faculty Club

Family Night. Barbecued Chicken, French Fries, Strawberry Shortcake. Adults \$2.75, children \$1.25. Entertainment by a magician.

## EXHIBITIONS AND PLAYS

#### University Art Gallery

Until 28 April. Work of students in the BFA program.

#### Edmonton Art Gallery

Until 7 May. Third Anniversary Exhibition of all works acquired by the Gallery in the last three years; primarily a show of Western Canadian art. \$2 April until 16 May. "Kenneth

Lockhead." Exhibition of Winnipeg painter, organized by VIRGIL HAMMOCK, University of Manitoba. Until 1 June. Children's Toys.

**The Theatre Francs d'Edmonton**  
28 and 29 April. 8:30 p.m. An evening of French-Canadian theatre. *Le banc sur la route* by FELIX LECLERC and *Les oiseaux de nuit* by JEAN PELLERIN. Auditorium, Collège Saint-Jean, 8406 91 Street. Admission \$2, students \$1.25. Tickets available at the door, or reservations can be made by telephoning 439-0425. Every Thursday night, until the end of April. *Fragments*, an avant-garde play by MURRAY SCHISGALL. 8:30 p.m. in Room 222, Collège Saint-Jean. Admission free.

#### Citadel Theatre

26 April until 20 May. Gratien Gelinas's *Yesterday the Children Were Dancing*. Non-subscribers should call 424-2828 to ask about availability of tickets.

#### Theatre 3

3 to 14 May. JEAN GENET'S *The Maids*. "The Theatre Beside" Victoria Composite High School. Box office address, P.O. Box 2804, Postal Station "A," Edmonton, or telephone 433-7870.

#### Walterdale Theatre Associates

2 to 13 May. RICHARD NASH'S *The Rainmaker*, directed by RON WIGMORE. Admission \$2.50. Tickets from Mike's Ticket Office, 429-0848, or 424-8911.

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## PERSONAL NOTICES

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Notices must be received by 9 a.m. the Friday prior to publication. Rate is seven cents per word for the first insertion and five cents per word for subsequent insertions ordered with the first. Minimum charge is \$1. To avoid billing, notices MUST BE PAID IN ADVANCE. For assistance or order blanks, telephone Mrs. Adrienne Lent, 432-4991.

#### Accommodation available

FOR SUBLT—Furnished two-bedroom bungalow near bus, University. June 6 to September 6; \$185/mo. 432-5725, 469-5780.  
FOR RENT—Two-bedroom upstairs furnished suite, self-contained, balcony, garage. In good private house, near the University with view over the river. Available June 1. Two adults. 433-3823.  
FOR RENT—Four-bedroom furnished house, Lendrum. June 1 to December 31, 1972. Suitable for couple with young children. \$175. 435-2911.  
FOR RENT—May 1 to June 24. Two six-bedroom homes. Furnished with utilities, except phone. \$200 each. Phone between 9 a.m. and 5 p.m. 466-2197.  
FOR RENT—North Glenora; two-bedroom semi-bungalow, partially or unfurnished; finished rumpus room, large single garage. Ten minutes from University by car: bus routes, shopping centres. Available for approximately one year from first of June, July or August, 1972. Details 432-4393 or 455-9812.  
FOR RENT—Furnished four-bedroom house near University for Summer Session, utilities included. 435-2690.

FOR RENT—Furnished two-bedroom apartment (Sir John Franklin), July, 1972 to July, 1973. References. 433-3533 evenings.

FOR RENT—Summer School session. Furnished three-bedroom home, lovely yard, Windsor Park, three blocks from campus. 433-9828 (after 6).

FOR RENT—July 1 for 1/2 year. Windsor Park, near campus. Furnished or partly furnished home; three bedrooms, 1 1/2 baths, garage, patio. 439-0954.

FOR RENT—Three-bedroom bungalow; attached garage, fireplace, deck; bus 1/2 block; Southgate 6 blocks. July 1, 1972, to August 1, 1973. 434-1382, 432-4198.  
FOR SALE—Lendrum, 1,700 sq. ft., four-bedroom, two bath bungalow; family room, fireplace, sundeck, landscaped pie lot, garage. \$39,600. 63 1/4%, 434-4204 for viewing.

FOR RENT—One-bedroom furnished suite, Garneau Towers, July and August. Call 432-3263, 433-6233.

FOR RENT—Fully furnished five-bedroom house. Malmo Plains. Available from July 1 to September 1, 1972. 434-3675.

FOR SALE—Four-bedroom split-level, ten minutes from campus. Excellent schools, library, shopping close. \$31,000. No agents. 455-5542.

FOR RENT—Furnished four-bedroom house with finished basement from June 24 for eight weeks, Windsor Park. University area; \$250/month. 433-4026 after 6 p.m.

FOR RENT—Cosy 2/3 bedroom house, furnished or partly furnished, walking distance to University. From July, 1972, to August, 1973. 432-5551; evenings 433-4011.

FOR RENT—Three-bedroom bungalow with view, attractively furnished. Rumpus room; heated single garage. Close to Southgate, schools, bus, campus. \$225. Available one year starting June 15. 434-0189 evenings.

FOR SALE—By owner, 8 1/2-year-old custom built, open beam, (1,292 sq. ft.), three-bedroom bungalow—Lendrum, 1 1/2 baths, attached garage, carport, fully fenced, landscaped, 60 ft. lot, new broadloom, many built-ins. \$34,500, 6 1/2 per cent, \$148 IPT. 434-4689.

FOR RENT—Four-bedroom bungalow, furnished. Available June 16 to August 31. Quiet crescent, near swimming pool. \$200 per month. 8828 131A Avenue. 476-5440.

FOR SALE—Two-storey house, Windsor Park, beautifully modernized; four bedrooms, 2 1/2 baths, carpeted basement, many extras; wooded garden. 433-4829.

FOR RENT—Three-bedroom, 1 1/2-bath, furnished home. Twenty minutes from University. Available June 15, 1972, to August 31, 1973. \$250/month. 15215 67 Street. 475-1751.

#### Accommodation wanted

WANTED TO RENT—Furnished four-bedroom house, Petrolia, near schools, from August 1. 435-1154.

REQUIRED—Responsible mature couple completing Master's Degree require three-bedroom home (non-drinkers, non-smokers, two school children). Furnished/unfurnished, July, 1972, to August, 1973. Seeking arrangement to look after house and property for lower rental. Can make alternate summer arrangements. References. Write: G. M. Lowe, 2818 13 Avenue South, Lethbridge, 328-3249.

WANTED—Three-bedroom house or apartment. July and August. Furnished. 482-5392.

WANTED TO RENT—Executive, older children, needs three/four-bedroom home, garage, unfurnished, Windsor Park or SW. July 1 occupancy. Long term lease preferred. Maximum \$250-\$275. 433-7647.

#### Automobiles and accessories

FOR SALE—1966 Falcon wagon, good condition. Michelin, new battery, shocks. \$500. 436-1412.

FOR SALE—1967 Pontiac Laurentian, \$900. Gaz oil motor, \$40. 465-2637.

FOR SALE—Used whitewall, belted, Goodyear tires, H78-15; 4-ply tread, 2-ply sidewalls. 433-1555 evenings.

#### Goods and services

URGENTLY REQUIRED—Ride from 169 Street - 85 Avenue to University, 8 a.m. L. Waines 432-3310. 484-3460.

FOR SALE—Grandfather clock, about 200 years old. Family tent (12' x 8') plus porch, slightly damaged. Used gas stove, four burners. Waterfront lot at Wizard Lake. 439-3471.

HOUSE PAINTING—University student will paint houses (interior, exterior), fences. Experienced, economical, reliable, guaranteed. 433-9150 after 5 p.m.

FOR SALE—Dining room suite, fruitwood, walnut stain, Italian provincial—buffet, hutch, server, oval table, 6 chairs (list price: \$2,000); \$1,000 or best reasonable offer. Three livingroom table lamps, \$35 each. End table, \$35. 435-4372.

FOR SALE—Gold velvet couch and matching chair, \$250. Queen size water-bed and frame, \$50. Three oak chairs, captain style, \$12 each. 433-6783.

FOR SALE—Piano, Mason Rish, \$750. Lawn mowers—push type \$10. 465-2637.

FOR SALE—Reliable Lawn Boy mower \$35; 15 ft. boat with 5-hp outboard \$135. 432-8146.

FOR SALE—Air ticket Edmonton/London/Edmonton, May 4 - August 25, \$240. Call 432-3278 or 433-5239.

FREE TO GOOD HOME—Eight month Shepherd Collie. Nice, obedient, used to children. 435-2606.

WILLING TO CARE—For your house while you are away. September 1972 to August 1973. Married couple, no children. Contact Mr. and Mrs. K. Jensen, Box 991, Jasper, Alberta. Phone 852-3006.

FOR SALE—Royal Glenora Club share. \$100. 434-4204.

FOR SALE—Ridiculously cheap furniture (beds, crib, armchairs, chesterfield, etc.). 435-8926.

WANTED—Translator for South Korean letters. Phone 469-0127.

FOR SALE—Double bed, \$65; TV, \$30; baby stroller, \$10; 434-9183.

RIDE THE HIGH COUNTRY—Two-week "Wilderness Trail Ride" through the scenic Rocky Mountains in July or August. Film and brochure available upon request: Rocky Mountain Trail Rides, Box 62, Clairmont, Alberta; 567-2243.

FOR SALE—Man's topcoat with detachable lining. Size 40. "Avant Garde" by Croydon, worn twice—too big. \$20. 434-3043 evenings.

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## POSITIONS VACANT

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#### NON-ACADEMIC STAFF

Applicants are sought for the following positions. The Personnel Office (Room 121, Administration Building) will provide further details to interested persons, who are asked not to approach the departments directly.

Clerk Typist I (\$302-\$385)—Bookstore Bookstore Sales Clerk I (\$302-\$385)—Bookstore Clerk Typist II (\$331-\$423)—Pathology

Clerk Typist II - III (\$331-\$489)—Zoology Library Clerk II (\$331-\$423)—Extension Library Keypunch Operator (Temporary) (\$366-\$466)—

Administrative Data Processing

Keypunch Operator (\$366-\$466)—Library

Secretary (\$466-\$595)—Pathology; Industrial & Vocational Education

Programmer II (\$655-\$836)—Library

Laborator, Assistant I (\$302-\$385)—Provincial Laboratory

Laboratory Assistant II (\$366-\$466)—Pathology

Electron Microscope Technician (Open)—Anatomy

Electron Microscope Technician I or II (\$489-\$624 or \$566-\$722)—Microbiology

Offset Pressman (Open)—Duplicating

Folder and Cutter Operator (Open)—Printing

Linotype Operator (Open)—Printing

Biology Technologist I (\$542-\$722)—Genetics